

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/046679 A1

(51) International Patent Classification⁷: A61K 31/4152, C07D 231/22, A61P 37/00, 19/02, C07D 401/14, 413/14, 405/14, 401/12, 401/04, 405/04

(21) International Application Number:
PCT/GB2004/004629

(22) International Filing Date:
2 November 2004 (02.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0325644.3 4 November 2003 (04.11.2003) GB

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

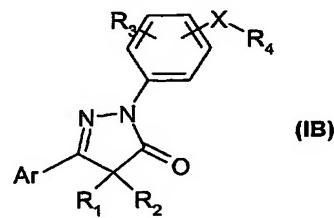
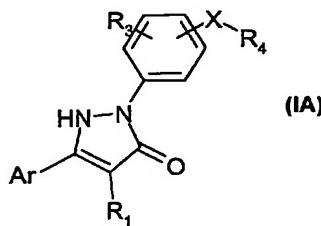
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMMUNO INHIBITORY PYRAZOLONE COMPOUNDS



(57) Abstract: Compounds of formula (IA) or (IB) are inhibitors of CD80 and useful in immunomodulation therapy: wherein Ar represents an optionally substituted monocyclic or bicyclic aromatic or heteroaromatic group having from 5 to 10 ring atoms; R₁ and R₂ independently represent H, or C₁-C₆ alkyl; R₃ represents H; F; Cl; Br; -NO₂; -CN; C₁-C₆ alkyl optionally substituted by F or Cl; or C₁-C₆ alkoxy optionally substituted by F; R₄ represents a carboxylic acid group (-COOH) or an ester thereof, or -C(=O)NR₆R₇, -NR₇C(=O)OR₆, -NHC(=O)NR₇R₆ or -NHC(=S)NR₇R₆ wherein R₆ represents H, or a radical of formula -(Alk)_m-Q wherein m is 0 or 1, Alk is an optionally substituted divalent straight or branched C₁-C₁₂ alkylene, or C₂-C₁₂ alkynylene radical or a divalent C₃-C₁₂ carbocyclic radical, any of which radicals may be interrupted by one or more -O-, -S- or -N(R₈)- radicals wherein R₈ represents H or C₁-C₄ alkyl, C₃-C₄ alkenyl, C₃-C₆ alkynyl, or C₃-C₆ cycloalkyl, and Q represents H; -CF₃; -OH; -SH; -NR₈R₈ wherein each R₈ may be the same or different, or form a ring when taken together with the nitrogen to which they are attached; an ester group; or an optionally substituted aryl, aryloxy, cycloalkyl, cycloalkenyl or heterocyclic group; and R₇ represents H or C₁-C₆ alkyl; or when taken together with the atom or atoms to which they are attached R₆ and R₇ form a monocyclic heterocyclic ring having 5, 6 or 7 ring atoms; and X represents a bond or a divalent radical of formula -(Z)_n-(Alk)- or -(Alk)-(Z)_n wherein Z represents -O-, -S- or -NH-, Alk is as defined in relation to R₆ and n is 0 or 1.

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